

SYMPOSIUM: Lung Neuroendocrine Cells and Regulatory Peptides:
Distribution, Functional Studies and Implications

April 16, 1981

Presented by APS and AAP

Sponsored by the National Institutes of Environmental Health Sciences, NIH and The Council for Tobacco Research - USA, Inc.

Morning Program

Chairpersons: Susan Leeman, Dept. of Physiology, Harvard Med Sch. and Victor E. Gould, Dept. of Pathology, Rush Med. Coll., Chicago

8:30 Introductory Remarks: James A. Will, Depts. of Vet. Sci. and Anesthesiology, Univ. of Wisconsin, Madison

8:40 Ernest M. Cutz, Sick Childrens Hosp., Toronto: Neuroendocrine Cells of the Lung - Morphology and Development

9:05 Sergei Sorokin, * Sch. of Publ. Health, Harvard Univ.: Development of Neuroepithelial Bodies in the Fetal Rabbit Lung

9:25 Richard Hoyt, Jr., * Dept. of Anatomy, Boston Univ. Sch. of Med.: Neuroendocrine Cells in the Hamster Lung: Distribution, Subtypes, and Possible Function

9:45 Steven Baylin, * Dept. of Oncology, Johns Hopkins Med. Sch., Baltimore: Neuroendocrine Related Biochemistry in the Spectrum of Human Lung Cancer.

10:05 Ilona Linnoila, * Lab. of Pathology, NCI, NIH, Bethesda: Effects of Diethylnitrosamine on Lung Neuroendocrine Cells

10:25 Julia M. Polak * and Stephen R. Bloom, * Depts. of Histochemistry and Med. (Endocrinology), Royal Postgraduate Med. Sch., Hammersmith Hosp., London, England: Regulatory Peptides and the Lung

11:05 Lawrence H. Lazarus, Endocrinology Group, Lab. of Pulmonary Function and Toxicology, NIEHS, Research Triangle Park: Are the Amphibian Peptides, Physalaemin and Bombesin, Regulatory Peptides in Mammalian Gastrointestinal and Pulmonary Tracts?

11:45 - 1:30 LUNCH

* Non-member of FASEB

Afternoon Program

Chairman: Claude Lenfant, Div. of Lung Diseases, National Heart, Lung, and Blood Inst., NIH, Bethesda.

1:30 Sami I. Said, Depts. of Internal Med. and Pharmacology, Univ. of Texas (Southwestern) Med. Sch., Dallas: Novel Vasoactive Peptides in the Lung: Localization and Physiologic Significance

1:55 Karen Sonstegard, * and Richard P. DiAugustine, Lab. of Pulmonary Function and Toxicology, Endocrinology and Cell Biology Groups, NIEHS, Research Triangle Park: Isolation and Characterization of Rabbit Fetal Lung Neuroendocrine Cells

2:15 Louis Diamond and John B. Richardson, Pharmacodynamics Div., Univ. of Kentucky College of Pharmacy, Lexington and Depts. of Pathology and Pharmacology, McGill Univ., Montreal: Neurally Mediated Relaxation of Airway Smooth Muscle

2:35 Ingegerd Keith * and James A. Will, Depts. of Veterinary Science, Coll. of Agricultural and Life Sci. and Anesthesiology, Med. School, Univ. of Wisconsin, Madison: Dynamics of the Neuroendocrine Cell-Regulatory Peptide System in the Lung

Roundtable Discussion

3:00 Discussion Leader: John Richardson, Depts. of Pathology and Pharmacology, McGill Univ., Univ. of Quebec

All Chairpersons

All Participants

Summary

4:30 Summarizer: Norman C. Staub, Dept. of Physiology, Univ. of California, San Francisco

4:45 Closing Remarks

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